MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2019/2020

DAC5014 – COMPUTER APPLICATIONS

(All Sections/Groups)

23 OCTOBER 2019
9.00 a.m - 11.00 a.m
(2 Hours)

INSTRUCTIONS TO STUDENT

1. This question paper consists of 5 pages with 2 sections.

2. Attempt **ALL** questions in Section A and Section B. The distribution of the marks for each question is given.

3. Please write all your answers for Section A on the OMR form provided and all answers for Section B in the Answer Booklet provided.

SECTION A: Multiple Choice Questions (20 Marks)

1. In binary language, each letter of the alphabet, each number, and each special symbol is made up of a unique combination of eight _____.
   A. bytes
   B. pixels
   C. bits
   D. hertz

2. A monitor and speaker are the most common _____ devices.
   A. input
   B. output
   C. processing
   D. storage

3. A _____ is an internal expansion card that provides input and output of audio signals to and from a computer under the control of computer programs.
   A. video card
   B. network interface card
   C. sound card
   D. controller card

4. Virtual keyboard is a(n) _____.
   A. output device
   B. volatile storage
   C. type of stylus
   D. input device

5. _____ is a software that enables you to display and interact with text, multimedia and other media on the web.
   A. Internet
   B. Client
   C. Server
   D. Browser

6. Which of the following is a personal video journal entries posted on the web?
   A. Webcasts
   B. Blogs
   C. Vlogs
   D. Wiki

Continued...

7. Skype is _____ communication, which means users can communicate at the same time.
   A. synchronous
   B. asynchronous
   C. indirect
   D. offline

8. _____ software helps run the computer and coordinates instructions between other software and the hardware devices.
   A. System
   B. Recovery
   C. Productivity
   D. Application

9. Software designed specifically for banking services is an example of _____ software.
   A. e-commerce
   B. general business
   C. project management
   D. vertical market

10. Microsoft Excel is a _____ software program.
    A. database
    B. spreadsheet
    C. presentation
    D. word processing

11. If you make multiple copies of a software than your license permits, you are committing software _____.
    A. piracy
    B. privacy
    C. fraud
    D. scam

12. Which utility programme removes unnecessary files from your hard drive?
    A. Error-checking
    B. Disk Cleanup
    C. File Compression
    D. Defragment and Optimize Drives

13. _____is the feature that enables you to use a new device without manually installing a device driver.
    A. Device driver
    B. Interrupt Handler
    C. Plug and Play
    D. Application Programming Interface

Continued...

14. When a computer is booted, the _____ process checks the computer's components to make sure they are working correctly.
    A. File Explorer
    B. power-on self-test
    C. basic input/output system
    D. booting

15. Which of the following activities is carried out by the ALU?
    A. Moves read/write heads
    B. Creates virtual memory
    C. Renders video images
    D. Performs arithmetic calculations

16. Some of the cache memory of a CPU is located _____.
    A. in cloud storage
    B. on a nearby SSD
    C. on the hard disk drive
    D. inside the CPU

17. Which of the following is **NOT** a permanent storage option?
    A. RAM
    B. SSD
    C. Flash Drive
    D. Bluray disc

18. The Huawei logo would be considered a _____.
    A. patent
    B. copyright
    C. trademark
    D. service mark

19. Which of the following is **NOT** a video file extension?
    A. .png
    B. .avi
    C. .mpg
    D. .mov

20. A _____ cable carries all audio and video information from one devices to another connected device.
    A. RJ45
    B. HDMI
    C. Ethernet
    D. S component

(Total: 20 marks)

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SECTION B: Structured Questions (80 Marks)

QUESTION 1

(a) Briefly explain any **THREE (3)** types of printers available in the market. (6 marks)

(b) Web 2.0 allow us to have real time communication using the web. Briefly explain **THREE (3)** types of communication services over the web and give **ONE (1)** example for each of them. (6 marks)

(c) Your friend is planning to purchase a product via a website. Give **FOUR (4)** advices to him/her to be safe when making online purchase. (8 marks)

(Total: 20 marks)

QUESTION 2

(a) List **FIVE (5)** types of productivity software. Briefly explain each of them. (10 marks)

(b) Briefly explain **THREE (3)** types of user interfaces that are provided by the operating systems. (6 marks)

(c) Explain the term **virtual memory**. (4 marks)

(Total: 20 marks)

QUESTION 3

(a) What are the features in Microsoft Windows that can be used when a computer crashes? (6 marks)

(b) State **FOUR (4)** factors that determines the CPU's processing power. (8 marks)

(c) Jayden is planning to buy an E-reader for his sister. He requests some information from you. The following are his questions:

(i) State **TWO (2)** features of E-reader. (3 marks)

(ii) Give **TWO (2)** benefits of using E-reader. (3 marks)

(Total: 20 marks)

Continued...

QUESTION 4

(a) List and explain **FOUR (4)** types of viruses. (8 marks)

(b) State **THREE (3)** ways to avoid yourself from phishing scams? (6 marks)

(c) Backing up the files in a computer is very important. In general, what are the **THREE (3)** type of backups that can be done using our computer? (6 marks)

(Total: 20 marks)

End of Paper